TRAN

PAGE 01

Intel Corporation 2200 Mission College Blvd. Santa Clara, CA 95052

Intel Legal Team

Fax

Peoblyed CENTRAL PAX CENTER

MAR 1 3 2006

Page 1 of 10 Date: 13-Mar-06

Terrell L. McKinnon

Fax: 571-273-8300

Phone: 571-272-4797

United States Patent and Trademark Office

From: David N. Tran

Fax: 408-765-7723

Phone: 916-377-3578

Subject:

Amendment - Application Serial No. 10/749,881

A CONFIRMATION COPY OF THIS DOCUMENT:

WILL NOT BE SENT

Application No.:

10/749,881

Filing Date:

December 31, 2003

First Named Inventor: Eric DiStefano

Group Art Unit:

3753

Examiner Name:

McKinnon, Terrell L.

Attorney Docket No.: P18069

Enclosures:

- Transmittal Form (1 page). 1.
- Fee Transmittal for FY 2005 (1 page in duplicate). 2.
- Response to First Office Action (6 pages). 3.

Important Notice

This information is intended to be for the use of the individual or entity named on this transmittal sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution, or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify the sender by telephone immediately so that arrangements can be made for the retrieval of the original document at no cost to

	U,S	Deleast and Tre	rtomark Office	se through 07/31/2008. OMB 0651-0031 b; U.S. DEPARTMENT OF COMMERCE			
Under the Paperwork Reduction Act of 1995, no pers	Application Number	ollection of Info	tion of Information unless it displays a valid OMB control number.				
TRANSMITTAL	Filing Date		December 31, 2003				
FORM	First Named Inventor	Eric DiStefa		RECEIVED			
FOKIAI	Art Unit	3753	CENTRAL FAX CENT				
	Examiner Name	Terrell L. Mo	cKinnon	144D 4 2 2000			
(to be used for all correspondence after initial filing)	Attorney Docket Number		- CAMINOT	MAR 1 3 2006			
Total Number of Pages In This Submission 9	Paterney Docker Number	P18069					
EN	CLOSURES (Check a	ll that apply)					
Fee Transmittel Form	Drawing(s) Licensing-related Papers		Apr	er Allowance Communication to TC			
L_J Fee Attached	Licensing-related Papers			of Appeals and Interferences Appeal Communication to TC			
Amandment/Reply	Petition			(Appeal Notice, Brief, Reply Brief)			
After Final	Petition to Convert to a Provisional Application		Pro	Proprietary Information			
Affidavits/declaration(s)	Power of Attorney, Revocal Change of Correspondence		Sta	itus Letter			
¬ '	Terminal Disclaimer	- Address		er Enclosure(s) (please identify			
Extension of Time Request			L Det	ow):			
Express Abandonment Request	Request for Refund						
Information Disclosure Statement	CD, Number of CD(s)						
	Landscape Table on	CD					
Certified Copy of Priority Document(s)	narks		.,,				
Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53							
\sim							
SIGNATURE	OF APPLICANT, ATT	ORNEY, O	R AGEN	Т			
m Name Intel Corporation							
gnature	J.	•					
rinted name David N. Tran							
ate March 13, 2006		Reg. No.	50,804	2,804			
CERTII	FICATE OF TRANSMIS	SION/MAI	LING				
hereby certify that this correspondence is being fa ufficient postage as first class mail in an envelope no date shown below:	csimile transmitted to the US addressed to: Coromissioner	PTO or depos for Patents, F	ited with the P.O. Box 14!	United States Postal Service with 50, Alexandria, VA 22313-1450 on			
ignature	w l	_·	<u>-</u>				
ymed or printed name David N. Tran			Da	March 13, 2006			

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gethering, preparing, and submitting the completed application form to the USPTO. Time will very depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Peternt and Tradamerk Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissationer for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/17 (12-04v2)
Approved for use through 07/31/2006. OMB 0551-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Payerwork Reduction Act of 1985, no negacits are required to rescond to a not leading of information unless it displays a valid OMR control number.

Effective on 12/08/2004.				Complete if Known					2
FEES PURBURANT to the Consolidated Appropriations Act. 2005 (M.R. 4818). FEE TRANSMITTAL For FY 2005			1 A	pplication Num	ıber	10/749,8	81	AE	CEIVED
			_ F	iling Date		Decemb	er 31, 200	03 CENTRAL	- AX CENTER
			F	irst Named Inv	entor	Eric DiS	efano		
			—LE	Examiner Name		Terrell L. McKinnon		on MA	R 1 3 2006
Applicant claims small entity status. See 37 CFR 1.27			[Ā	Art Unit 3		3753			4
TOTAL AMOUNT OF PAYN	ENT	.00	A	ttorney Docket	No.	P18069			2
METHOD OF PAYMENT	(check	all that apply)							4
Chock Credit C	ard	Money Order 🔲	None	Other (olease ide	entify):			
Deposit Account De							Comora	ation	- [
For the above-identifi	ed depos	alt account, the Director i	s hereb	y authorized to	: (check	all that a	ply)		Ĭ
✓ Charge fee(s)	indicated	below		Charg	je fee(s)	indicated	below, ox	cept for the filing fee	
		ee(s) or underpayments	of fee(s	Credi	t any ov	erpaymen	ts		
warning: Information on this	form may	become public. Credit ca	rd inform	nation should n	et be inc	luded on t	hle form. Po	rovide credit card	
information and authorization	m PTO-20	138.							-
FEE CALCULATION									-
1. BASIC FILING, SEAR				H FEES	FXAI	OITANIN	N FEES		1
Application Type	Fee (\$)	Small Entity		Small Entity	Fee	<u>Smal</u>	<u> Entity</u>	Fees Paid (\$)	1
	300 Les (2)		ee (\$) 500	Fao (\$)	20		e <u>.(\$)</u> 00	-	
Utility	200		100	250 50	13		65	0	ŀ
Design Plant	200		100	150	16		80	0	
Reissuc	300		500	250	60		00	0	
Provisional	200	100	0	0) ()	0	0	
2. EXCESS CLAIM FEE		100	v	V	,	.,	v	Small Entity	
Fee Description							Fee (\$)	Fee (\$)	
Each claim over 20 (in Each independent claim			`				50 200	25 100	
Multiple dependent el		5 (Incidental Residues	,				360	180	
				aid (\$)	id (\$) Muttiple Dependent Claims				1
- 20 or HP =	4-1	X=					Fee (\$)	Fee Paid (\$)	
HP = highest number of total Indep, Claims	Extra C		Fee P	aid (\$)		_		0	
3 or HP =		×=							
HP = highest number of indep 3. APPLICATION SIZE !		ums paid for, if greater than	3,						
If the specification and	drawing	s exceed 100 sheets of	f pape	r (excluding	electro	nically fi	lcd scque	mee or computer	
		e)), the application size				r small d	ntity) for	each additional 50	ł
sheets or traction to	Extra S	sec 35 U.S.C. 41(a)(1) heets <u>Number o</u>	f each	additional 50	or fract			(\$) Fee Paid (\$)	
- 100 =		/50 =	(round up to a	whole n	umber) :	·	=	1
4. OTHER FEE(\$) Non-English Specification, S130 fee (no small entity discount) Fees Paid (\$) 0									
	` '		nary ul	activity				0	-
Other (e.g., late filing	Streng	ge).							1
SUBMITTED BY		1/	16	mintrofi Al-			I ·		-
Signature	$\mathcal{W}_{\mathcal{U}}$	MX	- K	gistration No. tomey/Agent)	50,804		-↓	⁹¹⁶ -377-3578	_
(24-15-1)		7					Date M	arch 13, 2006	

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will very depending upon the including case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Signature

PTO/SB/17 (12-04v2) Approved for use through 07/31/2008, OMB 0851-0032
U.S. Paternl and Tredemark Office: U.S. DEPARTMENT OF COMMERCE Lindar the Penanyork Radiusion Act of 1995 on nersons are required to respond to a collection of information unless it displays a valid OMR control number Complete if Known Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act. 2005 (M.R. 4818). 10/749,881 Application Number RECEIVED December 31, 2003 RANSM Filing Date CENTRAL FAX CENTER Eric DiStefano For FY 2005 First Named Inventor Terrell L. McKinnon MAR 3 2006 Examiner Name Applicant claims small entity status. See 37 CFR 1.27 3753 Art Unit P18089 Attorney Docket No. TOTAL AMOUNT OF PAYMENT METHOD OF PAYMENT (check all that apply) Other (please identify): Money Order None Credit Card Check l. Deposit Account Name: Intel Corporation ✓ Deposit Account Deposit Account Number 50-0221 For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below, except for the filing fee ✓ Charge fee(s) indicated below WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information with authorization on PTO-2038. FEE CALCULATION 1. BASIC FILING, SEARCH, AND EXAMINATION FEES EXAMINATION FEES SEARCH FEES **FILING FEES** Small Entity Small Entity Fees Pald (\$) Small Entity Fee (\$) Fee_(\$) Fee (\$) Fee (\$) Fee (\$) Application Type <u>Fee (\$)</u> 200 100 250 500 300 150 Utility 130 65 100 50 200 100 Design 80 160 300 150 200 100 Plant O 300 600 500 250 150 300 Reissuc 0 0 100 200 Provisional Small Entity 2. EXCESS CLAIM FEES Fee (S) Fee (\$) Fee Desc intion 25 50 Each claim over 20 (including Reissues) 100 200 Each independent claim over 3 (including Reissues) 180 360 Multiple dependent claims Multiple Dependent Claims Fee Paid (\$) Extra Claims <u>Fee (\$)</u> Foe Paid (\$) Total Claims Fec (\$) - 20 or HP = × HP = highest number of total claims peid for, if greater than 20. Fee Paid (5) Feb (\$) Extra Claims Indep. Claims 0 - 3 or HP = HP = highest number of independent delma paid for, if greater than 3, If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CPR 1.16(s).

Total 3)teets Number of each additional 50 or fraction thereof Fee Paid (\$) O (round up to a whole number) x Total 3) eets / 50 = Fees Paid (\$) 4. OTHER FEE(S) \$130 fee (no small entity discount) Λ Non-English Specification, 0 Other (e.g., late filing urcharge) SUBMITTED BY Registration No. Telephone 916-377-2578 -(Attomey/Agent)

This collection of information is required by 37 CFR 1.196. The information is required to obtain or retain a barrett by the outilic which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete. USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete. Any comments including pathwing, propering, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments including pathwing, propering, and submitting the complete this form analyze suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Peters and Teadomers Office. U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

ADDRESS, SIEND TO: Commissioner for Patenta, P.O. Box 1450, Alexandria, VA 22313-1450.

Date March 13, 2008

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

RECEIVED CENTRAL FAX CENTER MAR 1:3 2006

Attorney's Docket No.:

P18069

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Eric DiStefnao, et al.

Application No. 10/749,881

Filed: 12/31/2003

Title: Thermal Solution For Electronics

Cooling Using a Heat Pipe in

Combination With Active Loop Solution

Examiner: MCKINNON, TERRELL

Art Unit: 3743

Commissioner For Patents P.O. Box 1450 Alexandria, VA. 22313-1450

RESPONSE TO OFFICE ACTION

Sir:

In response to the office communication mailed on February 9, 2006, for the above-referenced patent application, it is respectfully requested that the application be amended as follows and that the following remarks be considered:

CERTIFICATE OF TRANSMISSION

37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office on

Date: March 13, 2006

Name:

David N. 3

Signature: